

KIRILOVICH, V.I.; KUNTSOVA, I.K.; POKROVSKIY, L.I.; KHINICH, B.V.;
FEDOROV, A.A.

Synthesis of phosphorus-containing polyesters and their use for
the preparation of fireproof polyurethane foams. Plast. massy
no.2:10-11 '66. (MIRA 19:2)

PIKUS, M. Yu.; KHINKO, S.V.; GOROSHKO, V.F.

Investigating the nature of feed-value variations, pressure
and power consumption of the 8641 cutting machine. Sbor.trud.Inst.
mash.i avtom: AN BSR no.1:95-108 '61 (MIRA 16:5)
(Cutting machines—Testing)

KHINKOV, Iv.

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Sofia 5 no.2:11-13 Mar-Apr 55.

1. Ref. -rukovoditel pri AU.
(PHARMACY,
in Bulgaria, health-educ. activities of pharmacy workers)
(HEALTH, education,
in Bulgaria, activities of pharmacy workers)

KHINKOV, Iv.

1. "Forty Years Since the Initial Communist Congress of Belgarian Radical and Sanitation Workers" V. CHILKOV; pp 3-7.
2. "Pharmaceutical Forms of Tetracycline Hydrochloride" G. SHKOV and N. YANILVA, (Pharmacy Research Institute"/Director: A. ZILBERMANOV/); pp 9-13 (English Summary)
3. "Pharmacodynamics and Toxicology of Allium ursinum" A. ANGELOV, (Department of Pharmacology and Toxicology, IJus"/Chairman Prof V. PANKOV and Lecturer of the IJus, Chairman Senior Research Associate A. PANKOV/; pp 13-21.
4. "Quantitative Determination of Rucin in Pteroylruan aculeatum" T.P. ILYANKOVA and A.S. PANKOV (Chair of Medical Form Technology and Chemicals of the Faculty of Pharmacy, Moscow Medical Institute); pp 21-25
5. "Antibacterial, Antiviral, Antitoxic and Cytopathogenic Properties of Pteronema, Pteronema, Pteronema" A.S. ILYANKOV, V. ILYANKOV, V. SHKVA, Tsv. GUMENOV, St. KAZANKOVA and T. KOTVA (Pharmacology and Microbiology Research Institute); pp 27-33 (English Summary)
6. "Method for Quantitative Analysis of Procaine Hydrochloride in Beverages and Milk" K. KUMENOV (Research Institute for State Control over Medicinal Preparation"/Director Prof sv. BUNAROV/; pp 33-39.
7. "Use of Ion Exchange to Determine Acidity of Gastric Fluid" A. CHANKOVA-RODINEVA and Z. KOTKOV; pp 39-43 (English Summary).
8. "The Hospital Pharmacy" IV. KUMENOV, Senior Pharmacist Pharmacy Inspection Office, Ministry of National Health And Sanitation Care); pp 43-48.
9. "Literature not identified."
10. "Anticoagulant activity of heparin in human plasma."
11. "Effect of heparin on the activity of heparinase."
12. "Effect of heparin on the activity of heparinase."
13. "Effect of heparin on the activity of heparinase."
14. "Effect of heparin on the activity of heparinase."
15. "Effect of heparin on the activity of heparinase."
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17. "Effect of heparin on the activity of heparinase."
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19. "Effect of heparin on the activity of heparinase."
20. "Effect of heparin on the activity of heparinase."

KHINOV, Kh., kand. na tekhn. nauki

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Vol. 5, No. 3, 1956.

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RADIO. Vol. 5, no. 5, 1956

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SOURCE: East European Accessions List (EEAL) Library of
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Vol. 5, No. 9, 1956.

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TECHNOLOGY

Sofia, Bulgaria

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370-371 '62.

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Suvrem. med., Sofia 9 no.6:11-21 1958.

1. Iz Obshchoarmeiskate bolitsa v Sofia (Nachalnik: M. Kutov)
(TYPHOID FEVER, manifest.
atypical responses in immunized patients (Bul))

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Jubilee year of 1962 for Czechoslovak mathematicians. Fiz mat spisani^e BAN 6 no.1:67 '63.

1. Urednik i chlen na Redaksionnata kolegiia, "Fiziko-matematicheskogo spisani^e".

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Mathematical seminars in Oberwolfach in 1962. Ibid.:219-220.

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Germany. Fiz mat spisanie BAN 5 no.3:235-236 '62.

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All-Union mathematical conferences, Fiz mat spisanie BAN 7 no.2:152-153
'64.

1. Editor, "Fiziko-matematicheskoe spisanie".

KHINKOV, Ts.

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HINKOVA, Ts. [Khinkova, T.]

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no. 4: 389-391 '61.

1, Submitted by Academician N. Stoianov [N. Stoianov].

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"Ecology and economic significance of mushrooms in the Vitosha Mountains" (p.3) PRIRODA
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SO: East European Accessions List Vol 2 No 8 Aug 1954

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BAN no.8:251-259 '61.

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'62 [publ. '63].

KHINKOVA, TSVETANA

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Uncl.

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3 no.3:135-139 '59. (EEAI 10:4)

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(UREDINALES)
(BULGARIA-FUNGI)

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Distribution of higher fungi in some forests of Ludogorie.
Izv Inst bot BAN no. 9:91-99 '62.

1. Chlen na Redaktsionnata kolegiia, "Izvestiia na Botanicheskiia institut".

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Some new and rare species of rust and smut in the flora of Bulgaria. Izv. inst. bot. BAN 10:177-184 '62.

1. Chlen na Redaktsionnata kolegiia, "Izvestiia na Botanicheskiia institut".

KHINKOVA, Ts.

14

12. The Relation between the Specific Heat and the Molecular Content of Free Products. A. G. Pridin (in French with Russian summary); pp 373-374.
13. Studies on Structural and Petrographic Particularities of the Krasnodar and its Neighboring Strata. I. Khinkova and M. Ivanov (in French with Russian summary); pp 377-380.
14. Method of Investigating Root Pressure in Species of Trees. I. S. Rangelov (in Russian with German summary); pp 381-383.
15. Cytochemical Studies of Tritic Acid (TMA and TMA) in Carcinoma Arctus Ocellus (Pilot) Oocytes. G. A. Kuznetsov, I. Khinkova and E. Kichina (in English with Russian summary); pp 385-386.
16. New Data on Enzymes Penicillinase Kinetics. Ts. Khinkova (in English with Russian summary); pp 389-391.
17. Studies on the Properties of Condensation-Forming Terephthalic Acidolysis. M. Kuznetsov, I. Khinkova, V. M. Kichina and V. Kichina (in English with Russian summary); pp 392-396.
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19. Rapid Method of Determinative Analysis of Sulfonamide Salt Oil for the Purpose of Solubility. M. Kuznetsov and M. Kichina (in French with Russian summary); pp 401-403.
20. On the Structure of the Polymer of G. Kuznetsov of Terephthalic Acidolysis. G. Kuznetsov (in English with Russian summary); pp 405-408.
21. On the Determination of Sulfonamide of the Grel. Grel, G. D. Kuznetsov (in French with Russian summary); pp 409-411.
22. Changes in the Electrical Conductivity of the Sulfonamide in Pressure on the Island. V. Kichina (in German with Russian summary); pp 413-416.
23. The Influence of Ionizing Radiation on the Polymer of the Terephthalic Acidolysis. G. Kuznetsov, V. Kichina and V. Kichina (in French with Russian summary); pp 417-420.

- 3/5 -

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1. Institute of Animal Husbandry, Kostinbrod.

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Mr '62. (MIRA 15:8)
(Shevchenko, Taras, 1814-1861)

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BOGORODSKIY, A.P.; KHINKULOVA, N.A.

Distribution of electron density in the solar corona. Publ. Kiev.
astron. obser. no. 4:3-16 '50. (MLRA 7:9)
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Determining positions and luminosity of asteroids from observations of Kiev Astronomical Observatory. Publ. Kiev. astron. obser. no. 4:103-117 '50. (MLRA 7:9)

(Planets, Minor)

KHINKULOVA, N. A.

"Variation of Total Amount of Electrons of the Corona With the Phase of Solar Activity," Publikatsii Kievsk. astronom. observ., No 5, 1953, pp 143-154

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SO: Sum. No. 568, 6 Jul 55

KONOPIEVA, V.P.; DUKHNOVSKIY, P.G.; POLUPAN, P.N.; SANDAKOVA, Ye.V.; KHINKULOVA, N.A.

Observation of minor planets made at the Kiev Astronomical Observatory.
Publ.Kiev.astron.obser. no.5:169-192 '53. (MIRA 7:6)
(Planets, Minor)

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starshiy nauchnyy sotrudnik.

Observations of minor planets at the Kiev Astronomical
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2-3 My '53. (MLRA 7:1)

1. Astronomicheskaya Observatoriya Kiyevskogo Gosuniversiteta
im. T.G. Shevchenko. (Planeta, Minor)

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(Stars--Spectra)

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Observations of minor planets and comets at the astronomical
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observ.no.6:91-111 '54. (MLRA 9:4)
(Planets, Minor) (Comets)

KHINKULOVA, N.A.

KONOPLEVA, V.P.; DUKHNOVSKIY, P.G.; SANDAKOVA, Ye.V.; ~~KHINKULOVA, N.A.~~

Observations of minor planets at the Astronomical Observatory
of Kiev State University. Publ. Kiev. astron. obser. no.7:
105-111 '56. (MLRA 9:12)

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SHAPIRO, I.L.; KHINKUS, A.S., inzh., retsenzent; RASHKOVICH, M.P.,
inzh., retsenzent; MIKHAYLOV, O.P., kand. tekhn. nauk, red.

[Electric drive of large metal-cutting machines] Elektropri-
vod tiazhelykh metallorazhushchikh stankov. Moskva, Mashino-
stroenie, 1964. 221 p. (MIRA 17:9)

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Units for heating and automatic temperature control used in processing
plastics. Biul. tekhn. ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn.
inform. 17 no. 10:20-22, 6 '64. (MIRA 18:4)

KHINKUS, Samson Solomonovich, kand. tekhn. nauk. dots.; KHARIF, Moisey
Izraelovich; KHEPICH, Moisey, kand. tekhn. nauk. dots.

[Electrical equipment and automatic control of hoisting
and transporting machines] Elektrooborudovanie i avtoma-
tika pod'emno-transportnykh mashin. Moskva, Transport,
1965. 377 p. (MIRA 18:12)

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Forced feedback in the systems of automatic control..Godishnik
mash elekt 12 no. 2:19-28 '62 [publ. '63].

MOROZOV, D.P., prof. [deceased]; KHINOV, Kh.M., inzh.

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Elektrichestvo no.6:27-32 Ja '63. (MIRA 16:7)

1. Moskovskiy energeticheskiy institut.
(Rolling mills—Electric driving)

MOROZOV, D.P., prof.; KHINOV, Kh.M., inzh.

Electrical stage with semiconductor rectifiers. Vest.
elektroprom. 34 no.7:8-13 JI '63. (MIRA 16:8)

MINCHEV, Din'o St., k.t.n.inzh.; IORDANOV, Dimcho St., inzh.; KHINOV,
Khinko, M., k.t.n.inzh.

Automation of production, and technical progress. Nauch zhivot
6 no.2:11-13 Ap-Je'63.

KHINCV, Kh. M.

Combined self-tuning system for automatic control with advanced
information. Godishnik mash elekt 12 no.2:265-274 '63 [publ. '64]

TSVETANOV, B.; KHINOV, V.; ATANASOVA, TSv.

Work therapy and work capacity of patients and convalescents
in osteoarticular therapy. Khirurgia 15 no.2/3:310-312 '62.

1. Iz Sanatorium za vuzrastni, bolni ot kostno-stavna tuberku-
loza - Varna.

(TUBERCULOSIS OSTEOARTICULAR ther)
(OCCUPATIONAL THERAPY)

KRICHIKOV, P.F., gornyy inzh.; FEDOSEYEV, P.I., gornyy inzh.;
KHINN, G.L., gornyy inzh.; YARMIZIN, V.A., gornyy inzh.

Semiautomatic control of the mechanisms of hoisting
equipment shaft doors. Gor. zhur. no.7:51-54 J1 '61.
(MIRA 15:2)

1. Tyrnyauzskiy kombinat.
(Mine hoisting)
(Automatic control)

Khinaov, G.

✓ Forms of phosphorus compounds in the chernozem and forest steppe soils of northern Bulgaria. G. Khinaov. *Pochvovedenie* 1956, No. 2, 42-65. Chem. data are given on 11 profiles recording the pH, CaCO_3 , org. matter, N, C:N, exchange capacity, exchangeable Ca, Mg, Na, and K, exchangeable acidity and Al, and forms of P, following the scheme of Davtyan (*C.A.* 36, 1131¹), differentiating these forms. 28 references. L.S. Ioffe

KHILIVSKI, Ts.

Tanev, I. Taking care of lambs. p. 28.

KOOPERATIVNO ZEMEDELIE, Sofiya, Vol. 11, no. 4, Apr. 1956.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6 June 1956,
Uncl.

ACCESSION NR: AP4041344

S/0115/64/000/005/0025/0029

AUTHOR: Khinrikus, Kh. V.; Kubarev, A. V.

TITLE: Fundamental characteristics of quantum paramagnetic amplifiers

SOURCE: Izmeritel'naya tekhnika, no. 5, 1964, 25-29

TOPIC TAGS: amplifier, maser, quantum paramagnetic amplifier, resonator paramagnetic amplifier, traveling wave paramagnetic amplifier

ABSTRACT: These characteristics of the quantum paramagnetic amplifier -- both resonator type and traveling-wave type -- are regarded as fundamental: frequency band, gain, passband, input noise temperature, saturation power, gain instability, and unilateralization (internal feedback). The recovery time and amplifier loss are measurable special characteristics. A third group of characteristics, single-valuedly determined by some of the above characteristics, includes: paramagnetic gain, resonator-amplifier efficiency, sensitivity, and

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KUBAREV, A.V.; LESKOV, A.S.; KHINRIKUS, Kh.V.; KALININ, Yu.A.

Some problems of metrology in the field of quantum radio physics.
Izm. tekhn. no.1:5-8 Ja '65.

(MIRA 18:4)

1 48817-66

ACCESSION NR: AP5008332

S/0115/65/000/001/0005/0008

AUTHOR: Kubarev, A. V.; Leskov, A. S.; Khinzhus, Kh. V.; Kalinin, Y. A.

Some metrological problems in quantum radiophysics

IZMIRTEL'naya tekhnika, no. 1, 1965, 5-8

10110 IACS: metrology, quantum radiophysics

ABSTRACT: A brief general review of the measurement problems occurring in devices based on quantum-mechanics phenomena is presented. These problems are touched upon: precision radio spectroscopy with phase AFC, x-ray fluorescence, quantum paramagnetic amplifiers, measurement of the gain, power, and noise temperature of lasers, and the use of quantum devices in developing standards and precision-measurement methods (standard meter, unit of magnetic-field strength, volt). Principles and approaches are discussed. Orig. art. has: no formula, no figure, and no table.

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VERSION NR: AP5008332

CLASSIFICATION: none

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ENCLOSURE: 00

SUB CODE: GP

REASON: 003

OTHER: 003

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TIMOMEYEVA, R.G.; KHINSKAYA, Ye.I.

Experience in the control of dysentery at a recently organized
state farm. Zdrav.Ros.Feder. 3 no.2:26-28 F '59. (MIRA 12:2)

1. Iz epidemiologicheskogo sektora Omskogo instituta epidemiologii,
mikrobiologii i gigiyeny.
(OMSK PROVINCE--DYSENTERY)

Ultrasonic Detection, 4:4

Ultrasonic Detection

"APPROVED FOR RELEASE: 09/17/2001

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APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722020006-2"

ZAKS, I.A., inzhener; ZVEGINTSEV, S.K., inzhener; IL'INA, R.N., inzhener;
KHINSKIY, P.D., kandidat tekhnicheskikh nauk.

Brittle breaking of 1Kh1Z steel during soldering.
Energomashinostroenie no.9:15-19 S '56.

(MLRA 9:10)

(Solder and soldering) (Steel--Brittleness)

TSUKANOV, Vladimir Andreyevich, kand.tekhn.nauk; LOMONOSOV, V.T., obshchiy
red.; KHINSKIY, P.D., kand.tekhn.nauk, red.; VASIL'YEVA, V.P.,
red.izd-va; SOKOLOVA, L.V., tekhn.red.

[Using manganese in alloying structural steels] Legirovanie
konstruktsionnoi stali margantsem. Pod obshchei red. V.T.Lomo-
nosa. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry,
1959. 206 p. (MIRA 12:4)

(Manganese steel)

26.2/20

28944

S/116/61/0007011/001/003
E199/F555

AUTHORS:

Petrov, P.N., Engineer Rabinovich, V.P., Candidate of
Technical Sciences and Khinskiy, P.D., Candidate of
Technical Sciences

TITLE:

The influence of non-metallic inclusions on the
strength of turbine discs

PERIODICAL:

Energomashinostroyeniye, no. 11, 1961, 27-30

TEXT:

Turbine discs and rotors are often scrapped because of
minor defects discovered by ultrasonic or other methods. It is by
no means certain that such rejection is always justified and the
present work was undertaken to study the properties of annular
plates cut from two forged steam turbine rotors which had been
rejected because ultrasonic examination of the forging had
revealed the presence of small internal defects. The two forgings
examined were of steel grade 34XH3MFA (34KH3MFA) each with a
principal diameter of 680 mm and weighing 4 tons. In one of these
rotors radial ultrasonic examination revealed four zones of
defects, the equivalent area of individual defects being up to
5-7 mm². All the defects were about 30 to 50 mm from the internal
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The influence of non-metallic

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here, there were some tens of defects in each zone but most of them were of equivalent area 2.3 mm^2 . The second forging had three zones with defects, the equivalent area of individual defects being 3.15 mm^2 , all within 30 mm of the central bore. For test purposes plates were cut from both sound and faulty parts of the rotor, then stored for six months to remove hydrogen and restore plastic properties. All the plates were flat, 950 mm o.d., 90 mm i.d. and 50 mm thick with a thin and flexible extension on one side so that the plate was free to deform although firmly fixed to a shaft. The first tests were made on a sound plate which fractured at a speed of 22 050 r.p.m. It was evident from the fracture that plastic flow had occurred. All the other plates were then tested, giving speed-strain curves which were the same for sound and defective plates. In general at speeds up to 1500 r.p.m. there was no strain, but at 1800 r.p.m. the strain was 0.2 mm on the o.d. and 0.5 mm on the i.d. The mean strain at 20 000 r.p.m. was 0.75 mm on the o.d. and 1.05 mm on the i.d. Two of the defective plates were tested to failure and fractured at 21 750 and 22 000 r.p.m., respectively, which is virtually the same as for the sound plate. Specimens for tensile and impact

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The influence of non-metallic ...

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tests were cut from the failed plates and it was found that the samples from the central zone, where there had been considerable work-hardening, were the most severely modified. The accuracy of ultrasonic examination in revealing the defects was confirmed by direct observation. It is considered that the defects had little influence on the strength of the plates because of plastic flow of the metal. Fig. 6 plots strain in kg/mm^2 as a function of the square of the speed: curve 1 - maximum elastic stress; curve 2 - mean stress; curve 3 - actual maximum stress allowing for plasticity of material; curve 4 - elastic limit; curve 5 - ultimate strength. The curves plotted in this graph were calculated from strain-speed data, using a computer. It is important to notice the difference between the maximum failure stress calculated without allowing for the plastic flow of the material from the actual maximum stresses. The higher the speed the nearer the actual maximum stress approaches the mean value. The true stress concentration ratio is the ratio of the maximum to the mean stress and has a value of 2 at 12 000 r.p.m., of 1.46 at 15 000 r.p.m., of 1.05 at 20 000 r.p.m., and of 1.08 at 22 000 r.p.m. As stress concentrations are almost entirely relieved before failure occurs

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The influence of non-metallic ...

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S/114/61/000/011/001/003
E196/E555

it is reasonable to suppose that similar relief of local stresses takes place near to small defects in the fittings. It is considered that the influence of inclusions is practically proportional to the ratio of their area to the area of sound metal at the section in question. Thus, the present plates, which have a section of 31 600 mm², will not be greatly affected by defects provided their total area at the dangerous section does not exceed about 400 mm². Obviously, however, this recommendation requires further checking. It is concluded that ultrasonic examination reliably revealed individual defects of the order of 3-5 mm² equivalent area. Defects of area up to 15 mm² had no influence on the strain or strength of the plates and presumably rotors with similar defects made of chrome-nickel steel with a yield point of 75 kg/mm² can safely be accepted in service. In steels that can undergo plastic flow, like that tested, the influence of defects is proportional to the ratio of their area to that of sound metal at the affected section. Further study is required to determine what defects are permissible. In particular, tests should be made on plates with defects of 10 mm² area and more, and on discs of other materials or in other conditions, and so on. The following

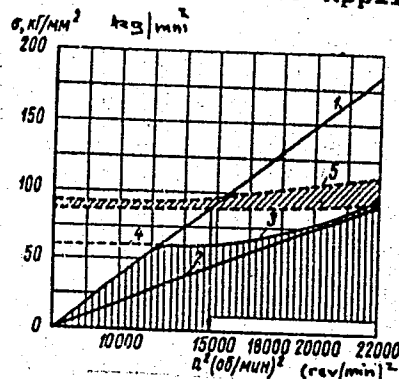
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The influence of non-metallic ...

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E194/E555

engineers participated in the work: T. A. Stepanova, Z.L.Zlatin, A.V. Shiryayeva and N. S. Mart'yanov. There are 6 figures and 7 references read as follows: Ref.1: E. L. Robinson: Trans.ASME, 1944, v.66, VII, No.5, pp.373-386; Ref.2: Fonda, L.B.: Trans.ASME, 1948, v.70, No.1, pp.1-12; Ref.3: Holmes, A.G., Jenkins, I.E. and Repko, A.I., NACA, Tech.Note, 1951, No.2397; Ref.4: Mega, S., Hagihara, S., Proc. of the Sixth Japan National Congress for Applied Mechanics", Tokyo, 1956-1957, pp.79-86.

Fig.6



Card 5/5

PETROV, P.N., inzh.; RABINOVICH, V.D., kand.tekhn.nauk; KHINSKIY, P.D.,
kand.tekhn.nauk

Effect of nonmetallic inclusions on the strength of turbine disks.
Energomashinostroenie 7 no.11:27-30 N '61. (MIRA 14:11)
(Disks, Rotating---Testing)

ZHUKOVA, Vera Nikolayevna, inzh.; KHINSKIY, Pavel Davidovich, kand.
tekhn. nauk; ZHERMUNSKAYA, L.B., inzh., red.; VASIL'YEV,
Yu.A., red. izd-va; BELOGUROVA, I.A., tekhn. red.

[Relaxation resistance of pearlitic structural steel for
fasteners; practices of the Kirov Plant in Leningrad] Re-
laksatsionnaya stoikost' konstruktivnykh staley perlitnogo
klassa dlya krepzhnykh detalei; opyt Leningradskogo Kirov-
skogo zavoda. Leningrad, 1962. 29 p. (Leningradskii dom
nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom.
Seriya: Metallovedenie i termicheskaya obrabotka, no.3)

(Steel, Structural--Testing) (MIRA 15:9)
(Strains and stresses)

KHINT, E.K.

(Leningrad, K-156, pr. Engel'sa, d.28, kv.127)

Cancer of the utero cervical stump after supravaginal amputation for fibromyoma. Vop. onk. 9 no.7:111-117 '63

(MIRA 16:12)

1. Iz ginekologicheskogo otdeleniya (zav. - prof. V.P. Tobilevich)
Instituta onkologii AMN SSSR (dir. - deystvitel'nyy chlen
AMN SSSR prof. A.I. Serebrov).

KHINT, E.K. (Leningrad, K-156, Prospekt Engel'sa, 28, kv.127)

Cancer of the cervical stump following supravaginal amputation
of the uterus in fibromyoma. Vop. onk. 10 no.1:49-54 '64.

(MIRA 17:11)

1. Iz 3-go khirurgicheskogo otdeleniya (zav. - prof. V.P. Tobilevich) Instituta onkologii AN SSSR (dir. - deystvitel'nyy chlen AMN SSSR prof. A.I. Serebry).

KHINT, I. A.

KHINT, I. A. -- "DISINTEGRATIVE PROCESS OF MANUFACTURING SILICATE AND SILICALCITE ARTICLES." SUB 11 MAR 52, CENTRAL SCI RES INST OF INDUSTRIAL STRUCTURES (TSHIPS) (DISSERTATION FOR THE DEGREE OF CANDIDATE IN TECHNICAL SCIENCES)

SO: VECHERNAYA MOSKVA, JANUARY-DECEMBER 1952

KHINT I.

BUTT, Yu.M.; KHAVKIN, L.M.; KRZHEMSKIY, S.A.; LEVIN, S.N.

"Certain basic problems of manufacturing lime-sand products in autoclaves." I. Khint. Reviewed by Yu.M. Butt, and others. Zhur. prikl. khim. 28 no. 4: 449-452 Ap '55. (MIRA 8:7)
(Autoclaves) (Building materials) (Khint, I.)

15
14

SUBJECT: USSR/Technology of Materials.

23-3-6/8

AUTHOR: Hint, J. (Rus. equiv.-Khint, I.A.)

TITLE: Measurements of the Thermal Effect of Processes Proceeding during the Autoclave Formation of Lime-Sand Monoliths (Izmereniye termicheskogo effekta protsessov, proiskhodyashchikh pri avtoklavnom obrazovanii izvestkovo-peschanykh monolitov)

PERIODICAL: Izvestiya Akademii Nauk, Estonskoy SSR, Seriya Tekhnicheskikh i Fiziko-Matematicheskikh Nauk, 1957, #3, pp 267-282 (USSR)

ABSTRACT: Thus far physico-chemical processes of autoclave monolith formation composed of lime, sand and water mixtures have not been completely studied. The clarification of the thermal effect during the formation of these monoliths will contribute to the understanding of the essence of these processes proper. A series of direct measurements was carried out in 1953 by means of thermo-couples. Conclusions drawn are as follows:

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1. Direct measurements with thermo-couples and determinations of thermic effects by calculations, from weight changes in the autoclave, yield results of the same order;

2. The magnitude of the exothermic effect in all investigated samples amounted to 14 to 50 cal per gram of dry substance.

Card 1/3

23-3-6/8

TITLE: Measurements of the Thermal Effect of Processes Proceeding during the Autoclave Formation of Lime-Sand Monoliths (Izmereniye termicheskogo effekta protsessov, proiskhodyashchikh pri avtoklavnom obrazovanii izvestkovo-peschanykh monolitov)

The effect was not observed during the secondary steaming.

3. The exothermic effect, as well as the amount of soluble SiO_2 which is formed, is higher for lesser volumetric weights. The total exothermic effect rapidly rises during the period of steam pressure increase. The rise continues at slower rate during the period of holding and then, about 9 hours after the beginning of holding, an endothermic effect arises.

4. The increase of the lime amount in a sample (up to an optimum) increases its strength, but no essential change in the exothermic effect is observed. The amount of soluble SiO_2 increases.

5. Monoliths having lower volumetric weights show greater exothermic effect.

KHINT, I., kandidat tekhnicheskikh nauk.

Steam treated sand-line products. Gor.i sel'.stroï. no.4:9-10 Ap
'57.

(Stone, Artificial)

(MLRA 10:5)

SOV/23-58-4-1/13

AUTHOR: Khint, I.A., Candidate of Technical Sciences

TITLE: The Development of the Strength of a Lime-Sand
Monolith During the Steaming Process (Obrazo-
vaniye prochnosti izvestkovo-peschanogo monolita
vo vremya zaparivaniya)

PERIODICAL: Izvestiya Akademii nauk Estonskoy SSR, 1958, Nr 4
pp 263-272 (USSR)

ABSTRACT: All tests carried out so far to ascertain the ef-
fect of steam pressure and duration of steaming
on the strength of the products, referred to the
pressure strength of samples subjected to a steam-
ing process in an autoclave under various condi-
tions. The pressure strength was determined out-
side of the autoclave. Therefore, no data was
available on the pressure strength for the time
while steam was being applied, on the curve of
the rising strength under a constant steam pres-
sure, or on the change of strength while the steam

Card 1/4

SOV/23-58-4-1/13

The Development of the Strength of a Lime-Sand Monolith During the Steaming Process

pressure was being reduced. In 1956, a special device was constructed permitting the measuring of the pressure strength of samples in the autoclave during the steaming process (Figures 1 and 2). The tests proved that it is possible to measure the pressure strength of the samples in the autoclave with the exactness of ordinary hydraulic presses. The measurement of the strength of samples of different CaO concentration, fineness and compactness proved that the strength of the product rises 15-fold while steam is being applied as compared with that of the raw material. The further rise in the strength of samples takes place comparatively uniformly (Figures 4 and 5). When reducing steam pressure, the pressure strength of the samples made of a mixture (mortar) of poor CaO concentration and fineness remains practically unchanged or drops only

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SOV/23-58-4-1/13

The Development of the Strength of a Lime-Sand Monolith During the Steaming Process

slightly. The tests have proved the correctness of the author's views on the formation of the structure of lime-sand products in an autoclave. There are 2 diagrams, 3 tables, 4 graphs and 22 references, 12 of which are Soviet, 9 German and 1 English.

ASSOCIATION: Institut stroitel'stva i stroitel'nykh materialov akademii nauk Estonskoy SSR (Institute for Construction and Building Materials of the Academy of Sciences of the Estonian SSR)

Card 3/4

SOV/23-58-4-1/13

The Development of the Strength of a Lime-Sand Monolith During the Steaming Process

SUBMITTED: July 9, 1958

NOTE: Russian transliteration of names, titles and associations are used throughout this abstract.

Card 4/4

KHINT, I., kand. tekhn. nauk

Method for determining the most efficient processing qualities of
lime sand mixes. Stroi. mat. 4 no. 7:11-13 J1 '58. (MIRA 11:7)
(Building materials--Testing)

BEZOBRADOV, B., inzh.; KHINT, I., kand. tekhn. nauk.

Using bitumen in impregnating building materials made of lime sand
mixes. Stroi. mat. 4 no.12:17-20 D '58. (MIRA 11:12)
(Bitumen) (Building materials--Testing)

KHINT, I. A.

Doc Tech Sci - (diss) "Foundations of the production of lime-sand articles." Leningrad, 1961. 33 pp; with illustrations; (Ministry of Higher and Secondary Specialist Education RSFSR, Leningrad Order of Labor Red Banner Construction Engineering Inst); 250 copies; price not given; list of author's works on pp 31-33 (41 entries); (KL, 7-61 sup, 231)

BUDNIKOV, P.P.; ALEKPEROV, M.S.; BAKLANOV, G.M.; BOLDYREV, A.S.;
BOS'KO, K.D.; VOLZHENSKIY, A.V.; GROKHOTOV, N.V.; ZHUKOV, A.V.;
ZABAR, L.B.; KITAYEV, Ye.N.; KOSHKIN, V.G.; KRUPIN, A.A.;
MUROMSKIY, P.G.; POPOV, A.N.; SUKHOTSKIY, S.F.; USPENSKIY, V.V.;
KHINT, I.A.; SHVAGIREV, M.P.; YUSHKEVICH, M.O.

Conference on increasing the durability of corrugated roofing
sheets. Stroimaterialy. 8 no.1:p.3 of cover Ja '62. (MIRA 15:5)
(Roofing)

KHINT, I.A., [Hint, I.], doktor tekhn. nauk (Tallin)

There is no single solution. Stroi. mat. 9 no. 5:17 My '63.
(MIRA 16:7)

(lime industry)

KHINT, Yokhannes Alekaandrovich [Hint, Johannes]

Time polishes the innovation. Izobr.i rats. no.3:12-13 Mr '62.
(MIRA 15:2)

1. Direktor nauchno-issledovatel'skogo i proyektnogo instituta
silikal'tsita.

(Estonia--Building materials)

KHINTIBIDZE, L.

New species of the genus *Onobrychis* Adans. from the Central
Caucasus. *Zam.p.o sist.i geog.rast. no.17:142-144 '53.*
(Caucasus--Peas) (MIRA 8:9)

KHINTIBIDZE, L. S.

KHINTIBIDZE, L. S.= "The Caucasian representatives of the genus *Onobrychis* Adans, section *Eubrychis* DC." Published by the Acad Sci Georgian SSR. Acad Sci Georgian SSR. Inst of Botany. Tbilisi, 1956. (Dissertations for the Degree of Candidate in Biological Sciences).

30: Knizhnays Letopis' No. 22, 1956

KHINTIBIDZE, L.S.

What is Onobrychis Biebersteinii Sirjaev? Zam po sist. i geog.
rast. no. 20:34-40 '58. (MIRA 12:9)
(Onobrychis)

SAKHOKIA, M.F.; KHINTIBIDZE, L.S.

A new species of the genus Hedysarum L. from the Northern Caucasus.
Zam. po sist. 1 geog. rast. no.23:123-126 '63.

(MIRA 17:12)

KHINTIBIDZE, Leonida Semenovna

[Caucasian representatives of the genus *Onobrychis* Adans. section
Eubrychis DC] Kavkazskie predstaviteli roda *Onobrychis* Adans.
seksii *Eubrychis* DC. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR,
1960. 116 p. (Tiflis. Botanicheskii institut. Monografii. Ser.A.
Sistematika i geografiia rastenii, no.3) (MIRA 14:11)
(*Onobrychis*)

KHINTS, A.A.
SAMSONOV, G.V.; KHINTS, A.A.; SALAMATINA, V.P.

Complete demineralization of streptomycin based on a molecular
sieve method. Antibiotiki 3 no.6:27-29 N-D '58. (MIRA 12:2)

1. Institut vysokomolekulyarnykh soyedineniya AN SSSR, Leningrad.
(STREPTOMYCIN,
demineralization, molecular sieve method (Rus))

IVCHENKO, Sergey Ivanovich; kand.sel'skokhoz.nauk; KHINTSKARIYA, Ye.N.,
red.; SMIRNOVA, M.I., tekhn.red.

[The school arboretum] Shkol'nyi dendrarii. Moskva, Gos.uchebno-
pedagog.izd-vo M-va prosv.RSFSR, 1960. 235 p.

(MIRA 13:12)

(School gardens)

KHINUKAYEV, A.N.

BELYAYEV, A.F.

AUTHOR: Solomonov, M.

SOV/24-58-5-30/31

TITLE: Scientific-Method Conference on the Problem of Breaking-up Rocks by Explosions (Pervoye nauchno-metodicheskoye soveshchaniye po probleme drobleniya gornykh porod vzyvom)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye Tekhnicheskikh Nauk, 1958, Nr 5, pp 143-144 (USSR)

ABSTRACT: On February 24-26, 1958 a conference was held on breaking-up rocks by explosions at the Institute of Mining, Ac.Sc., USSR (Institut Gornogo Dela AN SSSR). 100 people from 32 towns participated and the participants included representatives of Works, Research Institutes of the Ac.Sc. from various parts of the Soviet Union, departmental research institutes and of higher teaching establishments.

Chemical Physics, Ac.Sc. USSR (Institut khimicheskoy fiziki AN SSSR);
 "On experimental methods of studying the breaking-up of solid bodies" by L. K. Belokurov, Institute of Chemical Physics, Ac.Sc., USSR;
 "On controlling the energy of elastic waves in rocks possessing a high acoustic rigidity and ensuring yield of fragments of a pre-determined size" by A. E. Khinukayev, Leningrad Mining Institute (Leningradskiy gornyy institut);
 "On the technique of studying the character of breaking-up of firm rocks by means of charges of increased length" by V. I. Filippov, Institute of Mining, Ac.Sc. Kazakhstan SSR;
 "On investigating the fields of the potential and the process of breaking-up of rocks by explosions in the case of instantaneous and briefly delayed charges in the terraces of open-cast mining" by P. A. Belyayev, Dnepropetrovsk Mining Institute.
 In the section relating to evaluation of the crushing properties of explosives and the breaking-up of rocks the

Card 2/5

KHION, Ya.V.

Archimedean order of rings. Usp.mat.nauk 9 no.4:237-242 '54.
(Groups, Theory of) (MIRA 8:1)

KNION, Ya. V.

KNION, Ya. V.--"Rings Normalized with the Aid of Polygroups." Moscow Order of Lenin and Order of Labor Red Banner State U imeni M.V. Lomonosov. Moscow, 1955. (Dissertation for the Degree of Candidate of Physicomathematical Sciences).

SO: Knizhnaya Letopis' No. 27, 2 July 1955